

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 17 FEB 2005
International application No.
PCT/KR03/01641

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C12N 15/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N 15/08, C12Q, C12N 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Kipass, PubMed, Delphion, CA, PAJ "mesenchymal stem cell", "bHLH"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,942,225 A(Case Western Reserve University) 24 August 1999 see the abstract	1-14
A	US 5,795,723 A(Fred Hutchinson Cancer Research Center) 18 August 1998 see the abstract	1-14
A	Kazhdan I et al, "HLH transcription factor activity in osteogenic cells" J Cell Biochem 1997 Apr;65(1):1-10 see the abstract	1-14
A	Zhao LR et al, "Human bone marrow stem cells exhibit neural phenotypes and ameliorate neurological deficits after grafting into the ischemic brain of rats" Exp Neurol 2002 Mar;174(1):11-20 see the abstract	1-14
P,A	WO0286108 A(LIFECORD INC.) 31 October 2002 see the whole documents	1-14

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family


Date of the actual completion of the international search

29 DECEMBER 2003 (29.12.2003)

Date of mailing of the international search report

29 DECEMBER 2003 (29.12.2003)

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